



MATE PLUG $\phi 6.50$

Recommended PCB(T:1.2mm) Layout
<TOP VIEW>TOLERANCE: ± 0.05

SPECIFICATIONS:

- RATING: DC 15V 4A
- INSERTION FORCE: 0.4KG-3.0KG
WITHDRAWAL FORCE: 0.4KG-3.0KG
- INSULATION RESISTANCE BETWEEN ANY ADJACENT TERMINALS SHALL NOT BE LESS THAN 100 MEGOHMS BY 500 VOLTS MEGGER.
- JACK SHALL WITHSTAND 250 VOLTS BETWEEN ANY ADJACENT TERMINAL FOR ONE MINUTE.
- CONTACT RESISTANCE SHALL NOT EXCEED 0.03 OHMS.
- JACK SHALL WITHSTAND 5,000 CYCLES OF INSERTION AND WITHDRAWAL WITH TESTING PLUG AND CONTACT RESISTANCE SHALL NOT EXCEED 0.1 OHMS.
- MEASURING CONDITION:
TEMPERATURE: FROM 5°C TO 35°C.
RELATIVE HUMIDITY: FROM 40% TO 85%
- ENVIRONMENTAL SPECIFICATIONS:
8.1 HUMIDITY TEST: HUMIDITY 90% TO 95% TEMPERATURE 40°C \pm 2°C FOR 96 HOURS.
8.2 HEAT TEST: TEMPERATURE 70°C \pm 2°C (HUMIDITY BELOW 50%) FOR 96 HOURS.
8.3 COLD TEST: TEMPERATURE -40°C \pm 2°C FOR 96 HOURS.
- SOLDERABILITY TEST: THE TERMINATION IS AT LEAST 95% COVERED BY A CONTINUOUS NEW SOLDER COATING.
- TEST CONDITION: DIP IN MOLTEN SOLDER FOR 5 Sec. AT 245 \pm 5°C (TERMINATION SHALL BE IMMersed IN FLUX BEFORE TEST)
- FOR OUT DIAMETER OF PLUG $\phi 6.5$ ONLY
- PACKAGING: TUBE PACKAGED.
- TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC
- GREEN PRODUCT IDENTIFICATION MARK ON JACK: **G.P. PASS**
- GREEN PRODUCT IDENTIFICATION LABEL ON PACKAGING
- FOR WAVE SOLDERING LEAD-FREE PROCESS.
- PRINTED DATE CODE "YMMDD" ON TOP OF CONNECTOR.

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| NO | DESCRIPTION | QTY | MATERIAL | PLATING & COLOR |
|----|----------------|-----|-----------------------------------|-----------------|
| F | SHIELDING | 1 | BASS STRIP 0.2t | Ni 60u" min |
| E | PIN | 1 | BASS BAR | Ni 20u" min |
| D | TERMINAL | 1 | BASS STRIP 0.3t | Ni 60u" min. |
| C | SHUNT TERMINAL | 1 | BASS STRIP 0.3t | Ag 20u" min |
| B | TIP SPRING | 1 | COPPER ALLOY 0.3t | Ag 20u" min |
| A | BODY | 1 | HIGH TEMP. THERMOPLASTIC UL 94V-0 | BLACK |

| UNLESS OTHERWISE SPECIFIED TOLERANCES | TITLE | DC POWER JACK | |
|---------------------------------------|-------|---------------|-------------------------------|
| DECIMALS: X ± 0.5 X ± 0.2 | DMN | Angel | PART NO. 2DC-S626-L04 |
| ANGLES: XX ± 0.3 XX ± 1 | CHKD | Lussen | SCALE: 3/1 UNIT: mm |
| XX ± 0.2 | APVD | Max | SIZE: A3 SHEET: 1 OF 1 REV: H |

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